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SOURCE Meditsinskiy Rabotnik, No 25, 1949

NEW EQUIPMENT REDUCES INTENSE HEAT
OF BOILERS, FURNACES

Removing the scale from boilers in power stations and repairing open-hearth furnaces have always been very difficult and dangerous. Both of these operations had to be conducted under conditions of very high temperatures in the presence of intense radiant heat. Many worked on this problem and finally Engineer-Doctor A.B. Land and P. C. Uchastkin, Candidate of Technical Sciences, developed an efficient ventilating system which effectively lowered the temperature from 30 to 40 degrees, thus improving the microclimate of the boiler. This apparatus is mobile and can be moved as required.

This equipment was tested all last year at the All-Union Scientific Research Institute for Protection of the Worker. Many pulse-rate, physiological, and sanitation-hygienic tests were conducted. Its value was confirmed and it is now standard equipment at all power plants and plants having open-hearth furnaces. Both inventors were awarded the Stalin Prize.

At present, Dr G.L. Navyazhskiy is heading a group of scientists who will determine the best methods for eliminating ill effects caused to workers exposed to loud noises for long periods of time.

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